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| PTO 1449<br>INFORMATION DISCLOSURE STATEMENT  |  |  |  | Page 1 of 9                |  |                           |  |
|   |  |  |  | Atty Dkt: 2030-045         |  | Serial No. To be Accorded |  |
| Title: <b>Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes</b> |  |  |  | Applicant:<br>Michael Bell |  |                           |  |
|   |  |  |  | Filing Date:<br>Herewith   |  | Group                     |  |

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| my<br>↓               | AA1 | 4,185,084     | 1/22/80 | Mochida, <i>et al.</i> | 424   | 1         | 10/3/77     |
|                       | AB1 | 4,243,749     | 1/6/81  | Sadeh, <i>et al.</i>   | 435   | 7         | 3/16/78     |
|                       | AC1 | 4,313,734     | 2/2/82  | Leuvering              | 23    | 230       | 7/13/79     |
|                       | AD1 | 4,373,932     | 2/15/83 | Gribnau, <i>et al.</i> | 436   | 501       | 1/2/81      |
|                       | AE1 | 4,401,764     | 8/30/83 | Smith                  | 436   | 500       | 2/2/81      |

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| my<br>↓                  | AL1 | EP 177,191      | 11/22/90 | EUROPEAN       | G01N  | 33/537    | NO                 |
|                          | AM1 | GB 2,084,317    | 4/7/82   | UNITED KINGDOM | G01N  | 33/54     | NO                 |
|                          | AN1 | WO9926067A1     | 5/27/99  | PCT            | G01N  | 33/543    | No                 |

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| my   | AR1 | Alberts, B. <i>et al.</i> , Molecular Biology of the Cell, 2nd Edition. Garland Publishing, Inc. New York, pg 704. (1989)   |
| ↓  | AS1 | Bass, D.A. <i>et al.</i> "Flow cytometric studies of oxidative product formation by neutrophils: a graded response to membrane stimulation." <i>J. Immunol.</i> 130: 1910-1917. (1983)                      |
|  | AT1 | Bishop, J.E. <i>et al.</i> , "A Flow Cytometric Immunoassay For Beta2-Microglobulin In Whole Blood," <i>J Immunol. Meth.</i> 210:79-87 (1997).  |
|  | AR2 | Bode, W. <i>et al.</i> , 1989, "Human leukocyte and porcine pancreatic elastase: X-ray crystal structures, mechanism, substrate specificity and mechanism-based inhibitors," <i>Biochem.</i> 28: 1951-1963. |
| my   | AS2 | Chen, R. <i>et al.</i> , "Simultaneous Quantification of Six Human Cytokines in a Single Sample Using Microparticle-based Flow Cytometric Technology," <i>Clin Chem.</i> 45:1693-1694 (1999).               |

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| Examiner: <u>Melanie</u> | Date Considered <u>11/29/06</u> |
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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| <b>Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes</b>  |     |  |         | Applicant:<br><b>Michael Bell</b> |       |                           |                            |
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| my   | AA2 | 4,661,444  | 4/28/87 | Li                                | 435   | 7                         | 3/29/84                    |
| ↓  | AB2 | 4,746,631  | 5/24/88 | Clagett                           | 436   | 518                       | 5/9/85                     |
| ↓  | AC2 | 4,810,096  | 3/7/89  | Russell, <i>et al.</i>            | 356   | 436                       | 4/8/87                     |
| ↓  | AD2 | 5,198,670  | 3/30/93 | VanCauter, <i>et al.</i>          | 250   | 328                       | 9/29/89                    |
| my   | AE2 | 5,238,108  | 8/24/93 | Veleziz, <i>et al.</i>            | 206   | 315.1                     | 8/25/92                    |
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| my   | AT2 | Coates, P.M. <i>et al.</i> , 1975, "A preliminary genetic interpretation of the esterase isozymes of human tissues," <i>Ann. Hum. Genet. Lond.</i> 39: 1-20. |         |                                   |       |                           |                            |
| ↓  | AR3 | Crockard, A. <i>et al.</i> , 1982, "Cytochemistry of acid hydrolases in chronic B- and T-cell leukemias," <i>Am. J. Clin. Pathol.</i> 78:437-444.            |         |                                   |       |                           |                            |
| ↓  | AS3 | Ferrer-Lopez, P. <i>et al.</i> , "Heparin Inhibits Neutrophil-Induced Platelet Activation Via Cathepsin", <i>J. Lab Clin. Med.</i> 119(3), 231-239 (1992).   |         |                                   |       |                           |                            |
| ↓  | AT3 | Fleischer, B., 1994, "CD26: a surface protease involved in T-cell activation," <i>Immunol. Today.</i> 15: 180-184.   |         |                                   |       |                           |                            |
| my   | AR4 | Fowler A., <i>et al.</i> , "A multi-modality assay platform for ultra-high throughput screening," <i>Curr. Pharm. Biotechnol.</i> 2000 Nov;1(3):265-81.      |         |                                   |       |                           |                            |
| Examiner: <i>M. L. Smith</i>   |     |  |         | Date Considered <i>11/29/00</i>   |       |                           |                            |
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| my   | AA3 | 5,306,468  | 4/26/94 | Anderson, <i>et al.</i>            | 422   | 101                       | 7/19/91            |
| ↓  | AB3 | 5,310,687  | 5/10/94 | Bard, <i>et al.</i>                | 436   | 518                       | 11/4/91            |
| ↓  | AC3 | 5,501,985  | 3/26/96 | Baughner, <i>et al.</i>            | 436   | 518                       | 4/21/94            |
| ↓  | AD3 | 5,563,036  | 10/8/96 | Peterson, <i>et al.</i>            | 435   | 6                         | 4/29/94            |
| my   | AE3 | 5,627,080  | 5/6/97  | Cheng, <i>et al.</i>               | 436   | 534                       | 7/29/94            |
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| my   | AS4 | Fulwyler <i>et al.</i> , "Flow Microsphere Immunoassay for the Quantitative and Simultaneous Detection of Multiple Soluble Analytes," <i>Meth. Cell Biol.</i> 33: 613-629 (1990).  |         |                                    |       |                           |                    |
| ↓  | AT4 | Gartner, T.K. <i>et al.</i> , 1985, "The tetrapeptide analogue of the alpha chain and decapeptide analogue of the gamma chain of fibrinogen bind to different sites on the platelet fibrinogen receptor," <i>Blood</i> . 66 Suppl 1: 305a. |         |                                    |       |                           |                    |
| ↓  | AR5 | Gormley, G.J. <i>et al.</i> , "A Controlled Pore Glass Bead Assay For The Measurement Of Cytoplasmic And Nuclear Glucocorticoid Receptors," <i>J Steroid Biochem.</i> 22:693-8 (1985).   |         |                                    |       |                           |                    |
| ↓  | AS5 | Hegen, M. <i>et al.</i> , 1993, "Enzymatic activity of CD26 (dipeptidylpeptidase IV) is not required for its signalling function in T cells," <i>Immunobiology</i> 189: 483-493.   |         |                                    |       |                           |                    |
| my   | AT5 | Hoffmann, T. <i>et al.</i> 1993, "Dipeptidyl peptidase IV (CD 26) and aminopeptidase N (CD 13) catalyzed hydrolysis of cytokines and peptides with N-terminal cytokine sequences," <i>FEBS Letters</i> . 336: 61-64.                       |         |                                    |       |                           |                    |
| Examiner: <i>Melanie Yu</i>  |     |  |         | Date Considered<br><i>11/29/06</i> |       |                           |                    |
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| Examiner's Initial   |     | Patent Number   | Date     | Name                       | Class | Sub-Class                 | Filing Date        |
| my   | AA4 | 5,633,141   | 5/27/97  | Lee, <i>et al.</i>         | 435   | 7.2                       | 4/7/95             |
|  | AB4 | 5,648,213   | 7/15/97  | Reddy, <i>et al.</i>       | 435   | 6                         | 8/30/94            |
|  | AC4 | 5,679,309   | 10/21/97 | Bell                       | 422   | 67                        | 12/14/95           |
|  | AD4 | 5,679,525   | 10/21/97 | Peterson, <i>et al.</i>    | 435   | 6                         | 7/17/96            |
| my   | AE4 | 5,691,147   | 11/25/97 | Draetta, <i>et al.</i>     | 435   | 7.1                       | 6/2/94             |
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| my   | AR6 | Hohn, P.A. <i>et al.</i> , 1989, "Genomic organization and chromosomal localization of the human cathepsin G gene," <i>J. Biol. Chem.</i> 264: 13412-13419.   |          |                            |       |                           |                    |
|  | AS6 | Horan <i>et al.</i> , "Fluid Phase Particle Fluorescence Analysis: Rheumatoid Factor Specificity Evaluated by Laser Flow Cytophotometry, "Immunoassays in the Clinical Laboratory, 185-189 (Liss 1979).                     |          |                            |       |                           |                    |
|  | AT6 | Horstmann, B.J. <i>et al.</i> , "Rate-Limiting Mass Transfer In Immunosorbents: Characterisation Of The Adsorption Of Paraquat-Protein Conjugates To Anti-Paraquat Sepharose 4B," <i>Bioseparation</i> 7:145-57 (1998).     |          |                            |       |                           |                    |
|  | AR7 | Jongkind, J.F. <i>et al.</i> , 1986, "Detection of acid-b -galactosidase activity in viable human fibroblasts by flow cytometry," <i>Cytometry</i> 7:463-466.   |          |                            |       |                           |                    |
| my   | AS7 | Kankaanranta, H. <i>et al.</i> , 1994, " Effects of non-steroidal anti-inflammatory drugs on polymorphonuclear leukocyte functions in vitro: focus on fenamates," <i>Naunyn-Schmiedeberg's Arch Pharmacol.</i> 350:685-691. |          |                            |       |                           |                    |
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| my<br>↓<br>my  | AA5 | 5,698,411   | 12/16/97                  | Lucas, <i>et al.</i>     | 435   | 29        | 5/18/95            |
|  | AB5 | 5,747,352   | 5/5/98                    | Yan, <i>et al.</i>       | 436   | 533       | 5/23/94            |
|  | AC5 | 5,754,229   | 5/19/98                   | Elabd                    | 348   | 319       | 11/14/95           |
|  | AD5 | 5,772,926   | 6/30/98                   | Akhavan-Tafti            | 252   | 700       | 5/13/97            |
|  | AE5 | 5,811,526   | 9/22/98                   | Davidson                 | 530   | 391.3     | 5/23/95            |
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| my<br>↓<br>my  | AT7 | Kohen, E. <i>et al.</i> , 1993, "An in situ study of beta-glucosidase activity in normal and gaucher fibroblasts with fluorogenic probes," <i>Cell Biochem. and Function.</i> 11:167-177. |                           |                          |       |           |                    |
|  | AR8 | Kojima, K. <i>et al.</i> , 1979, "A new and highly sensitive fluorescence assay for collagenase-like peptidase activity," <i>Anal. Biochem.</i> 100: 43-50.                               |                           |                          |       |           |                    |
|  | AS8 | Leytus, S.P. <i>et al.</i> , "New class of sensitive and selective fluorogenic substrates for serine proteases," <i>Biochem. J.</i> 215:253-260 (1983).                                   |                           |                          |       |           |                    |
|  | AT8 | Li, C.Y. <i>et al.</i> , 1970, "Acid phosphatase isoenzyme in human leukocytes in normal and pathologic conditions," <i>J. Histochem. Cytochem.</i> 18:473-481.                           |                           |                          |       |           |                    |
|  | AR9 | Lindmo <i>et al.</i> , "Immunometric Assay Using Mixtures of Two Particle Types of Different Affinity," <i>J. Immunol. Meth.</i> 126: 183-189 (1990).                                     |                           |                          |       |           |                    |
|  | AS9 | McDonald, J.A. <i>et al.</i> , 1980, "Degradation of fibronectin by human leukocyte elastase," <i>J. Biol. Chem.</i> 255: 8848-8858.  |                           |                          |       |           |                    |
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| my   | AA6  | 5,851,778   | 12/22/98 | Oh, <i>et al.</i>               | 435   | 7.9                       | 4/2/97                     |
| ↓  | AB6  | 5,965,736   | 10/21/99 | Akhavan-Tafti                   | 548   | 110                       | 12/9/98                    |
| ↓  | AC6  | 5,976,822   | 11/2/99  | Landrum, <i>et al.</i>          | 435   | 23                        | 8/20/97                    |
| ↓  | AD6  | 6,002,003   | 12/14/99 | Shen <i>et al.</i>              | 544   | 232                       | 4/14/98                    |
| my   | AE6  | 6,045,727   | 4/4/00   | Akhavan-Tafti, <i>et al.</i>    | 252   | 700                       | 1/15/97                    |
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| ↓  | AS10 | Mentlein, R. <i>et al.</i> , H. R., "Influence of Pregnancy on Dipeptidyl Peptidase IV Activity (CD26 Leukocyte Differentiation Antigen) of Circulating Lymphocytes", <i>Eur. J. Clin. Chem. Clin. Biochem.</i> , 29, 477-480 (1991).         |          |                                 |       |                           |                            |
| ↓  | AT10 | Park, M.K. <i>et al.</i> , "A Latex Bead-Based Flow Cytometric Immunoassay Capable Of Simultaneous Typing Of Multiple Pneumococcal Serotypes (Multibead Assay)," <i>Clin Diagn Lab Immunol.</i> 7:486-9 (2000).                               |          |                                 |       |                           |                            |
| my   | AR11 | Rotman, B. <i>et al.</i> , 1963, "Fluorogenic substrates for b -D-galactosidases and phosphatases derived from fluorescein (3,6-dihydroxyfluoran) and its monomethyl ether," <i>Proc. Nat. Acad. Sci. USA</i> 50:1-6.                         |          |                                 |       |                           |                            |
| Examiner: <i>Milam</i>   |      |   |          | Date Considered <i>11/29/06</i> |       |                           |                            |
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| my   | AA7  | 6,045,991  | 4/4/00   | Akhavan-Tafti                | 435   | 4                         | 5/3/99                     |
|  | AB7  | 6,090,571  | 7/18/00  | Akhavan-Tafti, <i>et al.</i> | 435   | 21                        | 7/21/99                    |
|  | AC7  | 6,110,630  | 8/29/00  | Reddy <i>et al.</i>          | 430   | 93                        | 6/18/98                    |
| ↓  | AD7  | 6,139,782  | 10/31/00 | Akhavan-Tafti, <i>et al.</i> | 252   | 700                       | 7/21/99                    |
| my   | AE7  | 6,165,796  | 12/26/00 | Bell                         | 436   | 74                        | 11/26/97                   |
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| INFORMATION DISCLOSURE STATEMENT   |               |  |         | Atty Dkt: 2030-045           |                    | Serial No. To be Accorded |         |
|  |               |  |         |                              |                    |                           |         |
| Title: <b>Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes</b>  |               |  |         | Applicant:<br>Michael Bell   |                    |                           |         |
|  |               |  |         | Filing Date:<br>Herewith     |                    | Group                     |         |
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| Document Number  | Date          | Country  | Class   | Sub-Class                    | Translation Yes/No |                           |         |
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| INFORMATION DISCLOSURE STATEMENT   |      |   |          | Atty Dkt: 2030-045       |       | Serial No. To be Accorded |                    |
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|  |      |   |          | Filing Date: Herewith    |       | Group                     |                    |
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